



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : A61K 39/395, C07B 61/00, 63/00, G01N 33/531		A1	(11) International Publication Number: WO 00/41723
			(43) International Publication Date: 20 July 2000 (20.07.00)
(21) International Application Number: PCT/SE00/00047 (22) International Filing Date: 13 January 2000 (13.01.00) (30) Priority Data: 9900121-6 14 January 1999 (14.01.99) SE (71)(72) Applicant and Inventor: MOSBACH, Klaus [SE/SE]; Lackalänga 31-38, S-244 94 Furulund (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): YE, Lei [CN/SE]; Kämmärsvägen 5D:218, S-226 46 Lund (SE). CORMACK, Peter, A., G. [GB/GB]; 56 Carlside Street, Flat 2/L, Langside, Glasgow G42 9TG (GB). (74) Agent: AWAPATENT AB; P.O. Box 5117, S-200 17 Malmö (SE).		(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (Utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(54) Title: MOLECULARLY IMPRINTED MICROSPHERES PREPARED USING PRECIPITATION POLYMERISATION			
(57) Abstract			
<p>Molecularly imprinted microspheres comprising specific binding site are described. These microspheres can be obtained by a method comprising polymerising functional monomers and crosslinkers in a reaction solvent in the presence of print molecules as templates in a surfactant-free precipitation polymerisation process. The print molecules used are capable of forming non-covalent, reversible covalent or semi-covalent interactions with said functional monomers. There is also disclosed the use of said microspheres in different applications.</p>			
<p>Schematic representation of the molecular imprinting process. (1) Pre-assembly (2) Polymerization (3) Extraction/cleavage</p>			